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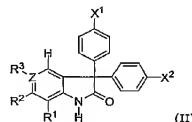
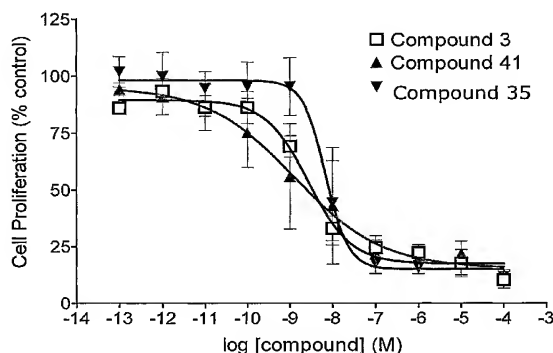
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(54) Title: DIPHENYL - INDOL-2-ON COMPOUNDS AND THEIR USE IN THE TREATMENT OF CANCER



(57) Abstract: The present invention relates to substituted 3,3-diphenyl-1,3-dihydro-indol-2-one compounds, and the use of such compounds for the preparation of a medicament for the treatment of cancer in a mammal. It is postulated that the compounds inhibit protein synthesis and/or inhibit activation of the mTOR pathway which is an effective method for reducing cell growth and the treatment of cancer. Examples of such cancers are breast cancer, renal cancer, multiple myeloma, leucemia, glia blastoma, rhabdomyosarcoma, prostate, soft tissue sarcoma, colorectal sarcoma, gastric carcinoma, head and neck squamous cell carcinoma, uterine, cervical, melanoma, lymphoma, and pancreatic cancer. A particular subclass of compounds are represented by the formula (II) wherein at least one of X¹ and X² is a heteroatom substituent, e.g. 6-chloro-3,3-bis-(4-hydroxy-phenyl)-7-methyl-1,3-dihydro-indol-2-one.



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